by TRAJAN

INSTRUCTIONS FOR USE

ZPure™ Infinity H_2 purifier

Introduction

Pure gas is a critical requirement in gas chromatography, spectroscopy, optics, lithography, and numerous other applications in manufacturing and analytical laboratories. The ZPure™ Infinity H_2 purifier is a self regenerating purifier that removes oxygen from hydrogen at ambient temperature. The reaction consumes the oxygen and creates an excess of water vapor. When paired with an additional moisture filter it is the perfect solution for hydrogen generators. This catalytic purifier has the potential to last forever, however the media can be easily contaminated by oil, organic solvents, heavy metals, sulfur compounds, etc.



Important




Warnings must be read carefully and understood. Improper use of this product can cause harm or death to personnel and damage to property!

- Wear eye protection and use caution when working with pressurized systems.
- Maximum pressure is 68.9 bar / 1000 psi.
- When using a high-pressure gas source over-pressure protection must be provided.
- Do not open filter, even after use. Do not use with liquids.
- Do not use this product for hydrogen gas containing more than 1% oxygen.
- Do not use this product for oxygen gas containing more than 1% hydrogen.

Compression fittings

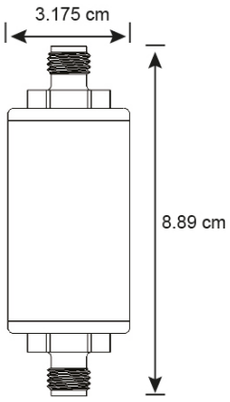
- Special precautions might be required when using hydrogen or hazardous gases. Consult local regulations and your company's safety procedures.

Instructions

Installation for compression fittings

1. Check the package contents for damage. Contact your supplier if any items are damaged or missing.
2. The ZPure™ Infinity purifier are delivered in the active state, filled with helium. It is ready for use, but it is recommended that the trap be purged with the gas to be purified.
3. For the best connections, start with freshly-cut tubing in the gas line. 1/8" nuts should be turned 3/4 turn past finger tight. 1/4" nuts should be turned 1-1/4 turns past finger tight.
4. To connect in-line, first purge the gas line with the supply gas. While maintaining a low purge rate of 10 to 30 cc/min, remove the end plugs from both ends of the trap, then attach the inlet end of the trap to the gas line.
5. Attach the outlet end of the trap.
6. Purge the entire system until a total of 1 to 2 liters of gas has been flushed through.
7. Leak check all connections.

Specifications



Product Numbers

1/4” Brass
202311-SS

References

Recycling
Please contact Trajan for information regarding recycling purifier products.

Information and support

Visit www.trajanscimed.com or
contact techsupport@trajanscimed.com

Specifications are subject to change without notice.

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